



02-16-07

1761 1761

PATENT  
674509-2028

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) : Jorn Borch Soe  
U.S. Serial No. : 09/750,990  
Filing Date : December 28, 2000  
For : FOODSTUFF  
Art Unit : 1761

745 Fifth Avenue  
New York, NY 10151

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**SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The Examiner's attention is respectfully directed to the following documents set forth in the accompanying form PTO-1449. Copies of the cited references are enclosed. These documents were cited in a litigation relating to U.S. Patent No. 6,852,346, or were cited by Applicants in related applications through the submission of Information Disclosure Statements, or were cited documents from the US or foreign Patent Offices in related applications. Those

documents cited in related applications (either by Applicant or by the relevant Patent Office) are marked on the enclosed PTO-1449 with an asterisk "\*" in the second column providing alphabetic identifiers for each document, i.e., a document marked as "\*AG" was cited in a related application. Applicants request that the Examiner consider and make of record the documents cited herein and that a copy of Form PTO-1449, initialed by the Examiner be returned to the Applicants' attorneys.

This Information Disclosure Statement is not a representation that the documents cited herein is considered most pertinent, or that a search has been undertaken or that the cited documents are indeed prior art. The Examiner is invited to undertake an independent search.

As this Information Disclosure Statement is being submitted before receipt of a first Office Action, no fee is deemed necessary. However, the Commissioner is authorized to charge any additional required fee for this paper, or credit any overpayment in fees to Deposit Account 50-0320.

Respectfully submitted,

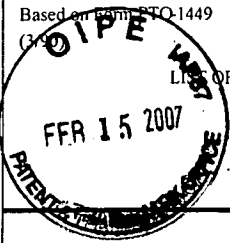
FROMMER LAWRENCE & HAUG LLP  
Attorneys for Applicants



Thomas J. Kowalski  
Reg. No. 32,147

Angela M. Collison  
Reg. No. 51,107  
(212) 588-0800

References (9)

Based on form PTO-1449 (3-99) 				ATTY. DOCKET NO. <b>674509-2028</b>		SERIAL NO. <b>09/750,990</b>	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT <b>Soe</b>			
				FILING DATE <b>December 28, 2000</b>		GROUP <b>1761</b>	

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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	*A	03/070013	8/28/03	WO				
	B	89/06803	7/27/89	WO				
	*C	03/089260	10/30/03	WO				
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	*E	03/099016	12/4/03	WO				
	*F	03/102118	12/11/03	WO				
	*G	04/004467	1/15/04	WO				
	*H	04/053152	6/24/04	WO				
	*I	04/097012	11/11/04	WO				
	*J	08/901969	3/9/89	WO				
	*K	2003/020923	3/13/03	WO				
	*L	2003/100044	12/4/03	WO				
	*M	2004/004467	1/15/04	WO				
	*N	2004/018660	3/4/04	WO				
	*O	2004/053039	6/24/04	WO				
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	*Q	2004/059075	7/15/04	WO				
	*R	2004/064537	8/5/04	WO				
	S	2004/064987	8/5/04	WO				
	*T	2004/111216	12/23/04	WO				
	*U	2005/003339	1/13/05	WO				
	V	2005/005977	1/20/05	WO				
	*W	2005/056782	6/23/05	WO				
	*X	2005/066347	7/21/05	WO				
	*Y	2005/066351	7/21/05	WO				
	*Z	2005/080540	9/1/05	WO				
	*AA	2005/087918	9/22/05	WO				
	*AB	2006/008508	1/26/06	WO				

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## FOREIGN PATENT DOCUMENTS

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	A	91/00920	1/24/91	WO				
	B	91/06661	5/16/91	WO				
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	J	94/01541	1/20/94	WO				
	*K	94/04035	3/3/94	WO				
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	*AA	96/28542	9/19/96	WO				
	AB	96/30502	10/3/96	WO				

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	*AC	96/32472	10/17/96	WO				
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	*AZ	98/51163	11/19/98	WO				
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	*A	1073339	22/27/02	EP				
	*B	1103606	5/30/01	EP				
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	X	535609	3/25/85	ES				
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	AA	1577933	10/29/80	GB				
	*AB	2267033	11/24/03	GB				

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	*BE	7231788	9/5/95	JP				
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U.S. PATENT DOCUMENTS							
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	A	6815190	11/9/04	Abo			
	*B	2002/0098536	7/25/02	Norinobu			
	*C	2002/0110854	8/15/02	Tsutsumi			
	*D	2002/0142434	10/3/02	Tsutsumi			
	*E	2002/0168746	11/14/02	Tsutsumi			
	*F	2003/0003561	1/2/03	Vind			
	*G	2003/0040450	2/27/03	Rey			
	*H	2003/0100092	5/29/03	Berka			
	*I	03/0119164	6/26/03	Udagawa			
	*J	2003/0180418	9/25/03	Rey			
	*K	2003/0215544	11/20/03	Nielsen			
	*L	4065580	12/27/77	Feldman			
	*M	4707364	11/17/87	Barach			
	*N	2005/0118697	6/2/05	Budolfson			
	*O	6624129	9/23/03	Borch			
	*P	6645749	11/11/03	Vind			
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	*U	2003/0148495	8/7/03	Hastrup			
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	*AC	3260606	7/12/66	Azuma			
	*AD	3368903	2/13/68	Johnson			

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	* AE	3520702	7/14/70	Menzi			
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	* AI	3852260	12/3/74	Knutsen			
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	* AK	4034124	7/5/77	Van Dam			
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	* BG	5232846	8/3/93	Takeda			
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	CI	5919746	7/6/99	Hirayama			
	CJ	5929017	7/27/99	Gormsen			
	CK	5965384	10/12/99	Boel			
	CL	5965422	10/12/99	Loffler			
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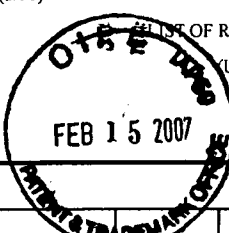
U.S. PATENT DOCUMENTS							
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	CM	5976855	11/2/99	Svendsen			
	CN	5989599	11/23/99	Chmiel			
	CO	5990069	11/23/99	Andre			
	*CP	60/039791	3/4/97	Clausen			
	CQ	60/189780	3/16/00	Soe			
	CR	60/489,441	7/23/03	Kreij			
	CS	6001586	12/14/99	Schellenberger			
	CT	6001640	12/14/99	Loeffler			
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	CV	6020180	2/1/00	Svendsen			
	*CW	6066482	5/23/00	Steffens			
	CX	6074863	6/13/00	Svendsen			
	*CY	6103505	8/15/00	Clausen			
	CZ	6110508	8/29/00	Olesen			
	DA	6140094	10/31/00	Loffler			
	*DB	6143543	11/7/00	Michelsen			
	*DC	6143545	11/7/00	Clausen			
	DD	6146869	11/14/00	Harris			
	DE	6156548	12/5/00	Christensen			
	*DF	6180406	1/30/01	Stemmer			
	DG	6254645	7/3/01	Kellis			
	*DH	6344328	2/5/02	Short			
	DI	6350604	2/26/02	Hirayama			
	*DJ	6358543	3/19/02	Soe			
	*DK	6361974	3/26/02	Short			
	DL	6365204	4/2/02	Spendler			
	DM	6432898	8/13/02	Rey			
	DN	6495357	12/17/02	Fuglsang			
	DO	6506588	1/14/03	Tsutsumi			
	DP	6509182	1/21/03	Tsutsumi			
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	A	Kunze, Hans, et al., "On the mechanism of lysophospholipase activity of secretory phospholipase A2 (EC 3.1.1.4): deacylation of monoacylphosphoglycerides by intrinsic sn-1 specificity and Ph-dependent acyl migration in combination with sn-2 specificity", <i>Biochimica et Biophysica Acta</i> , vol. 1346, 1997, pp. 86-92	
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	C	Kuwabara, et al., "Purification and Some Properties of Water-soluble Phospholipase", <i>Agric. Biol. Chem.</i> , vol. 52, no. 10, pp. 2451-2458, 1988	
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	*F	Larsen N G et al, <i>Journal of Cereal Science</i> (1990), vol 12(2), p155-164	
	*G	Lecointe et al <i>Biotechnology Letters</i> , Vol 18, No 8 (August) pp 869-874	
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	N	Lima, Vera L.M., et al., "Lecithin-cholesterol acyltransferase (LCAT) as a plasma glycoprotein: an overview", <i>Carbohydrate Polymers</i> , vol. 55, 2004, pp. 179-191	
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	*P	Lin S et al, <i>Enzyme and Microbial Technology</i> 18 (1996), pp 383-387	
	*Q	Lipase A "Amano" 6 Assay Note and Product Specification from Armano Pharmaceutical Co Ltd Nagoya Japan, 16 December 1985	
	*R	Lipase A "Amano" 6 Assay Note and Product Specification from Armano Pharmaceutical Co Ltd Nagoya Japan, 27 August 1985	
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	*V	Lipopan F: Keep the quality - cut your costs 2000 Novozymes A/S. <a href="http://www.enzymes.novo.dk/cgl-bin/bvisapi.dll/biotimes/one_article.jsp?id=16947&amp;lang=en&amp;t=b1">www.enzymes.novo.dk/cgl-bin/bvisapi.dll/biotimes/one_article.jsp?id=16947&amp;lang=en&amp;t=b1</a>	
	W	Litthauer, Derek, et al., "Pseudomonas luteola lipase: A new member of the 320- residue Pseudomonas lipase family", Enzyme and Microbial Technology, vol. 30, pp. 209-215, 2002	
	X	Llustenberger, Cornelia, et al., "Application of Noopazyme in Asian Noodles and Non-Durum Pasta", Cereal Food, 2002-18584-01, page 1, vol. 11	
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	*Z	Lo Y-C et al. Crystal structure of Escherichia coli Thioesterase I/Protease/Lysophospholipase L1: Consensus sequence blocks constitute the catalytic center of SGNH-hydrolases through a conserved hydrogen bond network. Journal of Molecular Biology, London, GB, vol 330, no 3, 539-551.	
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	*AC	Lustenberger Abstract	
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	*AE	Madsen J.S. & Qvist K.B. (1997) J. Food Sci. 62, 579-582	
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	*AH	Marion D et al – Chapter 6, pp131-p167 of "Interactions The Keys to Cereal Quality" 1998 ISBN 0 913250-99-6 (ed. Hamer & Hosney)	
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	AJ	Marsh, Derek, et al., "Derivatized lipids in membranes. Physico-chemical aspects of N-biotinyl phosphatidylethanolamines and N-acyl ethanolamines", Chemistry and Physics of Lipids, vol. 105, 2000, pp. 43-69	
	AK	Martinelle et al., "The Role of Glu87 and Trp89 in the lid of Humicola lanuginosa lipase", Protein Engineering, vol. 9, no. 6, 1996, pp. 519-524	
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	*AQ	Matos AR, Lipid Catabolism: Lipid Degradation, 2000, p779-781	
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	*AS	Matos, AR et al, Febs Letters, 491 (2001) P188-192	
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	*AZ	McNeill G.P. & Berger R.G. (1993) Enzymatic glycerolysis of palm oil fractions and palm oil based model mixture: Relationship between fatty acid composition and monoglyceride yield, in Food Biotechnology 7: 75-87	
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	BN	Mogensen, Jesper E., et al., "Activation, Inhibition, and Destabilization of Thermomyces lanuginosus Lipase by Detergents", Biochemistry, vol. 44, pp. 1719-1730, 2005	
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	BW	Morgan-Jones, Gareth; "NOTES ON COELOMYCETES.II. CONCERNING THE FUSICOCCUM ANAMORPH OF BOTRYOSPHERA RIBIS"; vol. Xxx, pp. 117-125; October-December 1987	
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	BZ	Mukherjee, Kumar D. et al., "Enrichment of $\gamma$ -linolenic acid from fungal oil by lipase-catalysed reactions", Appl. Microbiol Biotechnol (1991), Vol. 35, pp. 579-584	
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	CB	Murakami, Nobutoshi, et al., "Enzymatic Transformation of Glyceroglycolipids into sn-1 and sn-2 Lysoglyceroglycolipids by use of Rhizopus arrhizus Lipase", Tetrahedron, vol. 50, no. 7, pp. 1993-2002, 1994	
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	CE	Nagano, et al.; "Cloning and Nucleotide Sequence of cDNA Encoding a Lipase from <i>Fusarium keteoroporum</i> "; J. Biochem (1994); Vol. 116; pp. 535-540	
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	CM		National Research Council (U.S.) Committee on Specifications of the Food Chemicals Codex, "Lipase Activity" in <i>Food Chemicals Codex</i> (1981) National Academy Press, Washington, D.C. pp. 492-3		
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	*CO		Nelson and Long, Analytical Biochemistry (1989), 180, p 147-151		
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	CS		Nestle Research Center, Brochure for "Food Colloids 2006" in Montreux, Switzerland, 23-26 April 2006		
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	*DB		Novozymes data dated 17 July 2005 entitled "Baking performance of prior art lipases from <i>Humicola lanuginosa</i> , <i>Aspergillus tubigensis</i> , <i>Rhizopus delemar</i> and <i>Rhizomucor miehei</i> , and their activity on galactolipids in dough"		
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	DJ		Novozymes, "Mechanism studies of the new lipase"		
	DK		Novozymes, "Product Sheet for Lipopan F BG", <i>Cereal Food</i> , (2001)		
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	DM		Novozymes, "Product Sheet for Lipopan S BG", <i>Cereal Food</i> (2002)		
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	DT		Novozymes, "Product Sheet: Enzyme Business, Novozym 27019" (draft)		
	DU		Novozymes, "Product Sheet: Enzyme Business, Novozym 677 BG"		
	DV		Novozymes, "Revolutionizing baking", <i>BioTimes</i> (2002) pp. 6-7		
	DW		Novozymes, "Strong sales for lipase that makes dough stronger" <i>BioTimes</i> , December 2003		
	DX		Novozymes, "The Novozyme Touch: Make your mark on the future"		
	DY		Novozymes, "The perfect roll every time for steers", <i>BioTimes</i> , September 2003		
	DZ		Novozymes, "The value of innovation", <i>BioTimes</i> , March 2004		
	EA		Novozymes, "The vital role of technical service in baking", <i>BioTimes</i> , June 2004		
	EB		Novozymes, Lipopan 50 BG, Product Sheet		
	EC		Novozymes, Lipopan 50 BG, Product Specification		
	ED		Novozymes, Lipopan F BG, Product Data Sheet		
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	EE		Novozymes, Lipopan FS BG, Product Sheet		
	*EF		Novozymes. Enzymes at work		
	EG		NY metode til aktivitetsbestemme fedtnedbrydende vaskemiddelenzy		
	EH		Nylander et al., "Interaction between lipids and lipases A collection of papers presented at the European Meeting on lipid and lipase interaction at Lund University"		
	*EI		Ognjenovic Radomir et al, Acceleration of ripening of semi-hard cheese by proteolytic and lipolytic enzymes		
	*EJ		Ohm, J.B., et al., "Relationships of Free Lipids with Quality Factors in Hard Winter Wheat Flours", Cereal Chem., vol. 79, no. 2, pp. 274-278, 2002		
	EK		Ohta, S. et al., "Application of Enzymatic Modification of Phospholipids on Breadmaking", Abstract from AACC 68th Annual Meeting in Kansas City, MO, Oct. 30th - Nov. 3, 1983, published in Cereal Foods World, p. 561.		
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	*EV		Ostrovskaya L K et al, Dokl Akad Nauk SSSR, (vol 186(4), p961-3) p59-61		
	*EW		O'Sullivan et al, J Plant Physiol, vol 313, (1987) p393-404		
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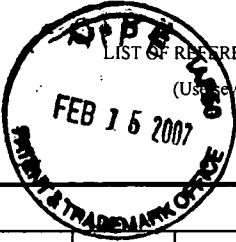
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	FA	Palomo, Jose M., et al., "Modulation of the enantioselectivity of Candida antarctica B lipase via conformational engineering: kinetic resolution of ( $\pm$ )- $\alpha$ -hydroxy-phenylacetic acid derivatives", Tetrahedron: Asymmetry, vol. 13, 2002, pp. 1337-1345	
	FB	Pariza, Michael, et al., "Evaluating the safety of Microbiol Enzyme Preparations Used in Food Processing: Update for a New Century", Regulatory Toxicology and Pharmacology, vol. 33, pp. 173-186	
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	*FE	Peelman F, et al, Protein Science 1998 Mar; 7(3): 587-99	
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	FH	Peters, G.H., et al., "Active Serine Involved in the Stabilization of the Active Site Loop in the Humicola lanuginosa Lipase", Biochemistry, 1998, vol. 37, pp. 12375-12383	
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	*FM	<i>Phytochemical Dictionary</i> "Chapter 4, Sugar Alcohols and Cyclitols",	
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	*AB		Shehata PhD Thesis		
	AC		Shillcock, Julian C., et al., "Equilibrium structure and lateral stress distribution of amphiphilic bilayers from dissipative particle dynamics simulations", Journal of Chemical Physics, vol. 117, no. 10, September 8, 2002		
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LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT <b>Soe</b>	
		FILING DATE <b>December 28, 2000</b>	GROUP <b>1761</b>
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